

**BIBLIOGRAPHIC INPUT SHEET**

FOR AID USE ONLY

**Batch 80**

1. SUBJECT  
CLASSI-  
FICATION

A. PRIMARY

**Serials**

B. SECONDARY

**Y-JG00-0000-C580**

**Education—Higher and professional education—Afghanistan**

2. TITLE AND SUBTITLE

**Higher education, Kabul University; progress report, Sept. 1976–Feb. 1977**

3. AUTHOR(S)

**(100) Gibson, R.E.**

**(101) Neb, Univ.**

4. DOCUMENT DATE

**1977**

5. NUMBER OF PAGES

**31p. 43p.**

6. ARC NUMBER

ARC

**AP378,581,6449**

7. REFERENCE ORGANIZATION NAME AND ADDRESS

**Neb.**

8. SUPPLEMENTARY NOTES (Sponsoring Organization, Publishers, Availability)

**(Activity summary)**

9. ABSTRACT

10. CONTROL NUMBER

**PN-AAF-343**

11. PRICE OF DOCUMENT

12. DESCRIPTORS

**Afghanistan  
Development  
Education, higher**

13. PROJECT NUMBER

14. CONTRACT NUMBER

**AID/Asia-C-1113**

15. TYPE OF DOCUMENT

AE  
378.581  
6449

AID/Asio-C-1113

Neb.

PN-AAF-34.

Sept 76-Feb 77

RECEIVED

APR 14 1977

INTERNATIONAL  
STUDIES AND  
PROGRAMS

Fifth Six-Month Report

Nebraska University Team

USAID Project 306-11-560-121

HIGHER EDUCATION — KABUL UNIVERSITY

A.I.D.  
Reference Center  
Room 1656 ES

Dr. R. E. Gibson  
Chief of Party

Kabul, Afghanistan  
September 1976-February 1977

2

## Introduction

The following Nebraska Team members completed two year tours and departed from post on the dates indicated:

Professor Ted H. Doane	December 26, 1976
Professor Harold L. Davis	February 2, 1977
Professor Gerald R. Boardman	February 4, 1977
Professor Harry J. Myers	February 24, 1977

This leaves us with Professors Gibson and Bolyea to continue working with the Faculty of Engineering, Professor Young in Agriculture, and Professor Glidden at the Kabul University Research Center. Project termination is scheduled for May 31, 1977.

Our Project Appraisal Report of May, 1976 proposed Faculty of Engineering approval of several new curricula designed under the project by September 30, 1976. All these curricula were approved in late September. The Power Engineering curriculum was approved only in principle, however, and we hope to have final approval before the end of our project. This curriculum has been partially implemented.

The PAR also proposed initiation of the previously approved Mechanized Agriculture curriculum by March, 1977. KU is presently attempting to solve internal problems which resulted in our withdrawal of support from this program. We are not hopeful, however.

Progress has been made in obtaining of Governmental approval of the By-Laws for the University Research Center, scheduled by the PAR for October 30, 1976. The Ministry of Education has approved them, and they now are being considered by the Ministries of Justice and of Finance.

The University has purchased additional livestock for animal research as proposed by the PAR, and activity in this area has increased. The new poultry house and sheep and cattle barns have not been started, however.

We believe that the project has gone quite well during this six month period. In addition, to progress reported above on PAR proposals, we have continued to fulfill objectives in other areas. The Faculty of Letters has moved steadily forward in the assumption of their new role as a teacher education institution. Activities in the area of plant science research are much in evidence with the writing

Introduction - Page 2

up of last year's projects at the University Farm, planning for additional and follow-on projects next summer, and with current grape cultivar collections throughout Afghanistan. This activity in plant science provides a base for expanded research efforts, possibly through Faculty of Agriculture participation in the proposed Wheat Development Project.

CECSAR has become a viable engineering design organization with a high volume of work underway. The KUBC is well established, and should become very useful with GOA approval of its By-Laws. The VTE Department is established as well as can be expected in view of its relative youth and lack of resources.

During the reporting period this project began winding down as planning for future KU projects got underway. Because the new projects are related to activities under our current project, and because of our familiarity with working conditions at KU, the Mission frequently called upon us to assist in planning of the new projects. AID/Washington also requested such assistance in August, 1976, and we responded with the ReVelle and Hanna consultations which are described herein. We are pleased to be of such assistance, and are convinced that in every case our assistance is consistent with the objectives of the present project.

A detailed account of project activities is contained in the following monthly summaries.

SEPTEMBER 1976

KU Administration and General

The second semester of the 1355 academic year started on September 6. We have observed that in several of the Faculties the actual start of classes has been delayed more than usual due to the semester having started during Ramadan.

The final report of Dr. Dale Hayes' consultancy has been edited and translated into Dari, and will be issued to USAID and KU shortly. We also have received correspondence from Dr. Hayes, indicating that he has set up an M.A. program to support the Rural Primary School Building Project. The program will be in Educational Administration with minors in Engineering and/or Architecture.

We have received the final report of Dr. Richard Lane's short-term consultancy, and English copies have been distributed. We are presently translating it to Dari for further distribution to KU. Professors Boardman and Glidden continue to be involved in the work of Hayes and Lane, and will follow up on activities related to their visits.

Mr. Qasim Esmat has replaced Mr. Raze as Director General of Maintenance for KU. This occurs at a time when we were trying to assist Mr. Raze in obtaining funds (possibly Asia Foundation) for repair of the boilers and other equipment at the University Dormitory. We have exchanged correspondence with German manufacturers of this equipment and hope to be able to assist Mr. Esmat now in drafting some sort of proposal to obtain these repairs.

Professors Norman Bolyea and Jack ReVelle arrived on September 20. Professor Bolyea will replace Professor Johnson as Management Engineering Consultant, with a supplemental assignment as CECSAR consultant. Dr. ReVelle is here as a Manpower Analyst from the UNO Campus to verify the projected engineering and other technical manpower requirements of the Ministry of Planning. Although we lost a little time at the beginning of Dr. ReVelle's visit due to the Eid holidays, his work is progressing very well now. Deputy Minister of Planning Ferough was extremely cooperative in getting him started. As a result, ReVelle has encountered an unprecedented atmosphere of cooperation in the Ministry of Planning and other Ministries.

Professor Glidden has expanded the lecture that he gave to the Faculties on the Semester Credit System last month. Vice-President Azimi is presently reviewing the typed version of the lecture, and we expect to translate it and distribute to all the Faculties. Glidden has also started on a rather extensive pamphlet concerning the Semester Credit System, and we hope to be able to distribute this also.

Significant progress occurred on the new actions proposed as a result of the May 1976 Project Evaluation, as listed on the front page of the Project Appraisal Report.

Item No. 1: "Approval of Power Engineering Curriculum"; this curriculum was approved last year by the Electrical Engineering Department and during September was approved by the Faculty of Engineering Curriculum Committee and on September 29 the Departmental coordinators acted for the Faculty as a whole in approving this curriculum in principle. It cannot, however, be fully implemented at this time in its exact form because of a conflict with the core curriculum of the Faculty of Engineering. As reported during the Evaluation, most of the courses have or are being taught, however, and we expect minor revisions to bring it in line with the core curriculum at an early date.

Item No. 2: "Approval of Engineering Management Curriculum"; and Item No. 4: "Approval of Process Engineering Curriculum"; these curricula are options within the new Mechanical Engineering curriculum which consists of additional options and Heat and Power and Machine Design. The entire M.E. curriculum was approved by the Mechanical Engineering Department, the Curriculum Committee, and the Faculty of Engineering during September. Item No. 3: "Provision of US and Afghan Staff for Engineering Management"; as reported above Professor Bolyea arrived at post this month fulfilling the US commitment. In August an Afghan staff member was hired, who has an MS in Industrial Engineering from the Asian Institute of Technology. Item No. 8a: "Purchase of Additional Livestock for Animal Research". The proposed completion date on this item was August 31, 1976. It could not be met due to delays in the KU Business office, but the money is now available and livestock are being purchased at the time of this writing. See Article I.3 below. The only item on the PAR which presently is due to be accomplished and has not been, is Item Number 11: "Development of Plan for Short-Term Requirements for Final Contract Year". Action is being delayed for at least another

month until departure dates for three of our regular team members due to depart in January or February are more exactly known. As we have discussed, it may be desirable to replace one or more of these with Short-Term Consultants.

Professor Glidden has been working with Mr. Stvodah of the Central Library and with the Asia Foundation in attempting to place an order for critically needed supplies. There continues to be a great deal of hesitation on the part of KU to accept assistance from the Asia Foundation unless proper procedures for offering and accepting assistance are followed.

Professor Boardman and Dr. Lanza completed work on the PRP for the proposed Development Related Research Project this month.

Professor Boardman reports that President Mohibbi has expressed an interest in computerizing some of the Institutional Planning data at KU, probably student data files. It turns out that KU is presently negotiating for time on the IBM computer located at the Intercontinental Hotel. Boardman will follow-up on this effort.

#### Curriculum Development

As reported above, the Management Engineering, Process Engineering, and Power Engineering Curricula were approved by the Faculty of Engineering this month. Faculty Action on these curricula was spurred by the Project Appraisal Report deadlines, and also by the upcoming seminar of the National Engineering Curriculum Committee, to be held for five days starting October 2nd. This committee is composed of representatives from the Ministries and the University, and was established a year and a half ago. This will be its first meeting. New catalogue copy is being prepared containing all present Engineering curricula for presentation to the Committee. Feedback as to the adequacy of the present curricula and desired changes will be discussed. The publishing of the catalogue has taken a tremendous amount of effort on the part of the Faculty and the Nebraska Team. Professor Davis is organizing the efforts and we had him and three secretaries working practically around the clock during the last week of September, attempting to get the material all together and typed.

The Curriculum Development Course (KDED 424) mentioned in last month's report is being presented this semester by Professor Glidden and Mr. Bashir (rather than Mr. Ahmadyar as originally reported). Glidden has prepared a syllabus containing course description, behavioral objectives, course topics, methodology, standards of student evaluation, and instructional materials. Hopefully, this syllabus will serve as a model for other course syllabi in education and in our other Faculties.

The new curriculum for the Professional Education major, described in previous reports, is being fully implemented at the beginning of this semester. We expect that the major will be much stronger now, and more suited to Afghanistan.

All eight chapters of the KU Test Construction Manual have been translated from English to Dari. Parts of the manual are being utilized in a test and measurements course conducted by the author, Mr. Raufi, and we hope to be able to publish and distribute it throughout the University at an early date. Professor Glidden and Boardman have assisted Mr. Raufi.

Professor Boardman and Rahimi are collaborating in presenting a course in statistics this semester to history, philosophy, and social science students. Mr. Rahimi's involvement will strengthen his background in statistics, and he can put this to good use in his job as Director of KURC.

The Horticulture Department has been assigned responsibility for teaching in the area of Forestry and has initiated a new course this semester.

The Senior VTE students now have permission from the Ministry of Education to carry out student teaching in the vocational high schools. Seventeen students have been distributed among three schools. As far as we know, this is the only example of an organized student teaching program at Kabul University in recent history.

In an effort to have the needed 'hands on' experience for VTE students, arrangements have been made for using laboratories and teachers of the Vocational Technical High Schools for VTE classes. There are many organizational problems attendant to this scheme, which is necessary in the absence of adequate



laboratory facilities and staff in the Faculty of Engineering. It provides only mediocre educational experiences for the students, but is considered better than nothing. The VTE Department is also using staff members of the Departments of Education, of the Faculty of Science, AIT, and Kabul Technicum this semester. VTE students are also taking Chemistry courses in the Faculty of Science (probably another first). This has come about through a tremendous amount of effort on the part of Mr. Karyar (Departmental coordinator). Without such efforts, and without the cooperation of the various other Faculties, the VTE Program simply couldn't function today.

Professor Davis has helped a number of VTE staff in developing content and organization for new courses this semester.

#### Research and Consultation

We have no further word on the pending approval of the financial provisions of the KURC Constitution. It is still hoped that the October 30 deadline for this approval, contained in the Project Appraisal Report, can be met.

Also, there is no further word regarding the Baseline Study nor the KU Graduate Utilization Study.

We understand that AID/W is considering KURC as an agent for carrying out the proposed non-formal education project, and also a project proposed through the Higher Education Association (and supported by AID) to look at how research institutes can be responsive to a country's developmental needs. Neither of these is possible if the financial provisions of the Constitution aren't approved.

Professor Boardman continues to work with Mr. Pakmal and Dr. Thomas, of USAID, on the Child Health Care Project with the Afghan Family Guidance Association. USAID has available \$10,000 with which to carry this project out, however, getting the money to the researchers will be difficult without the approval of the financial provisions mentioned above.

Professor Mohammad Fazal, of the Professional Education Department, is making application for a Woodrow Wilson Research Fellowship. Professor Boardman has assisted him in design of the research (concerning mental development of Afghan and Indian children), and editorial assistance with the proposal.

Professor Boardman has prepared a proposal for the MOE Primary Education Department entitled, "A Preliminary Study Concerning Education Perception Regarding the Formal Schooling of Girls". He is also providing research assistance to Ms. Hossiv, who is attempting to undertake a project related to the role of women at KU.

Professor Glidden has forwarded questionnaires in connection with Mr. Shams' research on the UNO Campus back to the Center of Afghan Studies. Mr. Shams is a Visiting Lecturer at UNO carrying out a project entitled "A Teacher's Morale Study for Afghan Schools". The project was designed with the assistance of Boardman and Glidden prior to Shams' departure for Omaha. Apparently, his work is progressing well.

As reported in Section I above, sixteen sheep have been purchased by the Faculty of Agriculture with EU spending 26,000 Afghanis and the Nebraska Team Trust Fund Budget contributing 21,000 Afs. These sheep will be used to carry out a project entitled "Comparative Studies of Different Protein Sources and Its Effect Upon Carcass Merit on the Kandari and Turki Breeds of Sheep".

Professor Doane reports a recent meeting with representatives of the International Foundation for Science to discuss funding of research in agriculture. Four projects were discussed including another sheep project entitled: "Evaluating Different Systems of Sheep Keeping for Meat Quality and Quantity, Wool Quality and Quantity, and Milk and Wool Production".

A proposal for this project was written on IFS forms and has been forwarded to Sweden for funding, and answer expected by December. Funds requested amount to approximately \$25,000 over a year period, and going to about \$50,000 over five years.

The Department Chairmen of the Faculty of Agriculture have asked Professor Doane and Dr. Azam Gul to draft a proposal for a research unit in the Faculty of Agriculture.

Professor Doane reports that 210 copies of the general bulletin "How to Grow Vegetables" have been distributed to seven vocational agriculture high schools this month.

We have recently distributed the report of Dr. R. E. Neild concerning his Short-Term Consultancy in Agriculture Climatology.

Professor Young reports good results in this year's attempts to improve the fruit orchard at the University Farm. This has involved cultivation, pruning, and irrigation. Two USAID participants are returning this year who have been trained to the Ph.D. level in fruit research, therefore, there is hope that some development in this area will get underway next year.

Professor Young and Dr. S. J. G. Vanderkaesen, of the International Crops Research Institute at Hyderabad, India, and Professor Mohsini of the Faculty of Agriculture resumed seed collection activities in September. Emphasis was on legumes, chiefly the chickpea and related wild species, and cereal grain. Also, a few tree seeds were collected for possible exchange with the University of Nebraska-Lincoln. The trips have given Mohsini valuable experience in germ plasm collection and preservation, and a broad view of the agricultural topography of Afghanistan. Seed samples or sample progeny will be made available for the Ministry of Agriculture and the Faculty of Agriculture, and also for cooperative agencies including the ICRISAT and the ALAD. A visit to the Ministry of Agriculture Research Farm at Darulaman showed the chickpea from previous year's collections are being well care for.

Professor Young also reports that the hybrid seed corn project at the Faculty of Agriculture Farm is progressing better than expected. It appears that about a 100-fold increase in seed of the hybrid known as "Golden Cross Bantam" will be available. A 50-or greater increase in the two inbred parents will occur so that seed production can be expanded next year.

CECSAR has been active this month on the Khanabad Model Study (model about 1/3 complete) and with the design of the Rural Health Centers. The first phase of the Health Center Project is complete, and work is starting on new drawings for a stone option. They have also started work on a rather extensive soil and aggregate testing project for the Pul-Ma-Tak to Bamiyan and Band-i-Amir road. The client is the Motor Columbus Company of Switzerland, and the fee is Afghani 325,000. Work on the first 60 samples is almost finished. About a dozen CECSAR staff members are working on the project.

We seem to be drawing closer to consummating a contract between the MOE and CECSAR for design of the seven vocational agricultural schools (funded by the World Bank). Early in the month, the Ministry of Planning completely revised the contract in a way that made it impossible to accomplish. They required that the contract be with the Faculty of Engineering rather than CECSAR and that the money be handled in a way that would never reach the people doing the work. This resulted in several meetings with the MOE Construction Department and with the Minister of Education himself, who decided that the topic should be resolved by the Deputy Prime Minister Sharq. When Mr. Sharq asked the Ministry of Planning what was wrong with the previous RDD-CECSAR contract, they said, "No problem". He, therefore, gave instructions that this project should be implemented. Hopefully the contract will be signed in early October.

#### Staff Development Activities

Professors Doane and Glidden have held conferences with individual AUB students who are being considered for re-enrollment at the University of Nebraska. Presently things are much up in the air, since no transcripts are available. Each person counselled has been taken at his own word. Also, there seems to be some confusion as to who is eligible to go. This is caused by the fact that some students did not return to AUB when they were called back earlier. Two students in Agriculture left September 29, after the beginning of the semester at Nebraska, since they are involved in thesis work and will not require enrollment in regular classes. The remainder will probably depart in January.

Professor Glidden is working with Mr. Bashir of the Professional Education Department on an article on American Education, and about 80% of the article is presently completed.

Professor Glidden is working with Peace Corps Volunteers in the Departments of English and Secretarial Science trying to iron out some of the problems they have in becoming integrated into the Faculty of Letters.

Doctors Aslamy and Nasir have returned from UNL and Cornell recently respectively, where they served as Visiting Lecturers under our Project.

Other

Construction has started on the building for upgrading the seismic station on Kharga Mountain. This is being accomplished with USGS funds, provided through the University of Nebraska and a contract between R. E. Gibson, and the Joint Stock Construction Company for general construction, and another contract between Gibson and the Hadi Electrical Company for electrical equipment and wiring. The contracts call for completion of all work on October 23. Presently the foundations have been poured and work is started on the exterior walls.

Professor Myers departed on September 10 for Albuquerque, New Mexico, to gain familiarity with the new seismic equipment. We expect him to return October 7 and be in a position to provide some training for seismic technicians on the new equipment. The equipment was to have landed at Karachi on September 30, and is expected to be installed shortly after completion of the building by a USGS contract crew.

Engineering and Technology will carry on with this work. He will prepare a paper suggesting an AID Project to address the shortage of technical manpower in Afghanistan. We expect him on November 4, and he will remain for two to three weeks.

#### Curriculum Development

Professor Young reports that he has made arrangements for Professor Natiki to visit the Ministry of Agriculture Forest Nursery at Paghman to observe seedling production activities, and to lay the groundwork for student visits.

Professor Bolyea has been assigned to teach a course in Management Engineering, and this is now underway, although a little late due to Bolyea's arrival after the start of the semester. The course emphasizes probability and statistics, and has 46 fourth year Mechanical and Electrical Engineering students enrolled.

We understand that the first National Seminar on Engineering Curriculum Design went very well, although Nebraska Team members did not attend since the proceedings were in Dari. Mr. Natiki, Chairman of the Engineering Curriculum Committee, is preparing a final report. The new Mechanical Engineering curriculum which includes Management and Process Engineering, was well received by the Seminar attendees.

Professor Davis reports that the VTE Student Teaching Program is still underway, however, it is functioning rather poorly due to problems involved with changing class schedules.

Professor Davis assisted the VTE Department in preparing proposals for UNESCO projects during October.

Professor Myers has been working with the Peace Corps Volunteer assigned to Electrical Engineering in developing a digital switching course. He also has worked with another Peace Corps Volunteer developing a course in technical English for engineering students.

Professor Myers accompanied senior design students on a tour of the Jangalak Machine Shop during October.

Myers returned on October 7 from the Albuquerque Seismological Center where he studied the Abbreviated Seismic Research Observatory which will be installed on Kargha Mountain. He has developed an outline for a short course in ASRO operations, which he will present in early November to KU seismic technicians and interested faculty members.

#### Research and Consultation

We have no further word on the pending approval of the financial provisions of the KURC Constitution. The October 30 deadline for this approval, contained in the Project Appraisal Report, has not been met.

We understand that the Baseline Study was signed by the Minister of Education about ten days ago, and was forwarded for higher approval.

Boardman has reviewed a research paper entitled "Diagnostic Significance of Intelligence Tests in Mental Retardation" by Professor Sediqq of the Nangarhar Medical Faculty. He is also providing research assistance to two faculty members of the Faculty of Pharmacy.

The Faculty of Economics has made arrangements to publish in their Journal of Economics a monograph prepared last year by Boardman on Proposal and Report Writing.

Professor Boardman assisted Dr. Ziaee in developing two proposals for submission to UNESCO: One in the area of Science Education Curriculum Development, and the other on the Development of a National Science Policy. He also assisted Professor Rahimi with a UNESCO proposal for a research study focusing on socio-economic development and impact of new emerging settlements in Afghanistan. Another UNESCO proposal was submitted for in-service research training for the Research Center.

Professor Young reports that the harvest is nearly completed for the vegetable research plot at the University Farm. Only root crops such as beets and carrots remain to be harvested.

Professors Young and Mohsini travelled to Jalalabad this month to collect pigeon pea seeds for the world seed collection. Six collections were made.

Professor Young reports that he provided assistance to a group of World Bank consultants, who were here to investigate the potential for food processing activities. Arrangements were made for them to visit agricultural leaders in Afghanistan. He also assisted a group from Development Alternatives, Inc. who are preparing a study of the Logar Valley for USAID.

The new sheep research project described in last month's report continues. The project has been retitled "Comparative Studies of Protein Sources in Fattening Ration of Two Breeds of Sheep in Afghanistan in Relationship to Carcass Merit". This is a 56 day test on rate of gain, feed efficiency and carcass merit. Four sources of protein being tested are: alfalfa, two varieties of cottonseed meal, and mashing pea. A supplemental study will be conducted using camel thorn as a replacement for alfalfa in the fattening ration.

Professor Doane reports that another research project has been forwarded to the Institute of Federated Science in Sweden. The proposal was developed by Mr. Sherzai, of the Horticulture Department, and now joins the animal science proposal which was delivered to the IFS representative last month while he was in Kabul.

As a part of Professor Bolyea's responsibility to CECSAR, he undertook an analysis of the CECSAR administration and filing procedures this month. The Study served the dual purposes of familiarizing him with the type and scope of CECSAR projects and also offered him an opportunity to analyze the management procedures used in project control. As a part of the study, a short paper entitled, "A Statistical Analysis of Manning and Funding Characteristics of Projects Completed by CECSAR" was written.

The first of 30 potential projects to be done in a year, beginning February '76 was submitted to the RDD on October 21st. Mr. Glaister, the UNDP representative to RDD, sent a memo outlining deficiencies in the project. He felt the engineering was acceptable as far as it went, however, he stressed the cost benefit analysis requirements which were not presented. Bolyea will meet with him soon to iron out the difficulties. Bolyea has recommended to CECSAR that an RDD project coordinator be appointed immediately.



A contract between MOE and CECSAR for design of the seven vocational agricultural schools (funded by the World Bank) was finally signed in October, and work is underway. The project has gotten off to a good start, with Professor Raffiq being designated Project Leader. He and Bolyea have worked on planning the project, including flow charting, arrangements for space, and financial arrangements. A party of engineers and architects has gone to the field to start gathering data.

Professor Kazem, coordinator for Mechanical Engineering Department, assumed the duties of Chairman of the CECSAR Committee effective October 27, upon departure of Professor Saleem for USGS training in the United States.

#### Staff Development Activities

Volumes I and II of the mathematics education materials developed by Mr. Monier, USAID participant, have been published. Both volumes are currently in classroom use. Glidden and Monier have developed a questionnaire that will be administered to teachers and principals in connection with Monier's dissertation work.

Professor Glidden has completed a working outline for the pamphlet that he is preparing on the semester credit system.

Professors Glidden and Doane have continued to schedule conferences with AUB participants who are being transferred to the University of Nebraska. It appears that all of them can be accommodated with the exception of one young lady in TOEFL, who can't be placed at either Nebraska Campus.

The Nebraska Team assisted Mr. Kuduz, Psychology Instructor in the Department of Professional Education, in printing a large number of General Psychology notes. Kuduz is working with a Mr. Benar in developing a General Psychology book in Dari.

Professor Myers is assisting Professor A. W. Zia in preparing a paper concerning motor control systems.

#### Other

The new building for upgrading the Seismic Station on Kharga Mountain is nearly complete. Some structural work remains; installation of lighting, air-conditioning, and heating remain.

October 1976 - Page 6

It has not been completed on time according to the contract. Equipment installation cannot occur yet, however, since most of the equipment is enroute between Karachi and Peshawar. We expect the equipment to be delivered within three to six weeks, and the USGS installation crew can probably go to work shortly after the first of the year.

Approximately 150 books were received from the UNO Campus in the Geography, Ecology, and Education areas. Also, Dr. Helen Howell, UNO Professor in Education, has sent a number of very recent books on bi-lingual education for the Department of English.

November 1976

KU Administration and General

The KU Administration has started work on a new edition of the Kabul University catalogue. Mr. Rahimi of the KURC is in charge, and has a committee assisting him. Several of the Faculties are preparing new copy.

Dean George P. Hanna of the College of Engineering and Technology, University of Nebraska, served as a short-term consultant November 4 through November 19. He prepared and submitted a report entitled: "Engineering Education Development to Meet Technical Manpower Needs of Afghanistan 1976-1982".

Dean Hanna's report provides suggestions and supportive data for a post 1977 project at the Faculty of Engineering entitled: "Technical Manpower Development (TMD)". Using manpower estimates of the previous ReVelle Report, Hanna recommended enrollments, staffing, and new facilities needed to produce engineering and VTE graduates at the annual rate of 465, by 1981.

We are attempting to get KU and Asia Foundation together again on the matter of supplies for the Central Library. Without supplies the Library will not be able to function much longer in terms of cataloguing and placing books on shelves. We assisted the Director, Mr. Stwodah, in preparing his request. It was sent to President Mohibbi for forwarding through the Ministry of Planning and the Ministry of Foreign Affairs to Asia Foundation. We hope to be able to establish a routine for future requests. Professor Glidden is working on this problem.

Professor Doane reports that 35 percent of all project commodities have now been received. Because of changes in estimated prices and shipping costs, it appears that about \$5600 is still available for commodities. Orders will be placed in December for this amount.

The Faculty of Engineering received approximately \$8900 worth of surplus electronic equipment and supplies from USAID this month through the Grant-in-Aid process.

The Department of Professional Education has appointed a committee to look into the question of re-establishing the Department's Student Teaching Program. Such a program is on the books at this time, but it is not being implemented.

Mr. Rauf, Chairman of the Department of Professional Education, is attempting to have his staff members submit a syllabus for each course taught in order to identify areas of duplication or omission, and to determine the specific instructional materials which are presently being utilized in the classroom. Professor Glidden has developed a standard format for syllabi.

Professor Glidden has assisted in preparing a paper for the Department of Professional Education on teacher training in Afghanistan. The information will be used for a book on comparative education on national school systems by an Italian professor. The request for the paper came through the Department of Cultural and Foreign Relations.

Professor Glidden has continued working with Peace Corps Volunteers in the Secretarial Science Department. They are drawing up plans for a model office for the training of secretaries.

Professor Glidden has met with the Deans of Letters and of Islamic Law to review the graduate program proposal for Dari and Pushtu Language and Literature. Further meetings are planned.

Professor Young reports that seeds of forest tree species were collected in Kunar and will be used for laboratory work in the new forestry course of the Faculty of Agriculture.

Professor Bolyea has worked with the Mechanical Engineering Department to develop recommended for weighting quizzes, tests, lab reports, final examinations, etc. He also has assisted Professor Nasir, of Civil Engineering, in the development of his course in Operations Research, providing him test problems and possible references.

Professor Myers reports that student seminars in electric power related topics were presented this month. Included were seminars on Lighting Protection of Power Lines, Transients in Power Systems, Power Plant Protection Practices, and Transmission Line Design. The new Power Engineering curriculum was approved

in principle by the Department and Faculty Curriculum Committee in late September. However, some details must be ironed out to achieve better coordination with the curricula of the other departments. We will work this month to get meetings of the Curriculum Committee scheduled so that adoption will be completed before Professor Myers completes his tour at post. As reported earlier, implementation has started, in that several of the courses in this new curriculum have been presented in previous semesters.

Professor Myers continues to present lectures on operation and maintenance of ASRO equipment to interested Faculty members and Seismic Center personnel.

#### Research and Consulting Activities

We understand the Baseline Study was finally approved by the Deputy Prime Minister's Office in late November. The project can get underway after a meeting on December 8 between First Deputy Minister of Education Siddiq and KU President Mohibbi.

Professor Boardman has assisted Professor Karyar of the Faculty of Engineering in the design of a research project concerning audio visual materials and equipment for instruction at Kabul University. This research project is understood to have President Mohibbi's support and encouragement.

Boardman is also assisting Mr. Rauf, of the Professional Education Department in designing a research project concerning the predictive validity of the University Concur Exam and high school grades, as related to freshman year performance at Kabul University.

Boardman has also worked with Mr. Rahimi of the KURC reviewing a UNDP proposal for an Asian Center for Training and Research in Social Welfare and Development.

Professors Boardman and Glidden have continued research assistance to Mr. Hakim, Assistant Dean of Letters and Humanities. Hakim's study will compare the concur exam scores of Kabul and provincial students, and will determine whether the present KU system of allowing lower scores for admission of provincial students is valid.

Professor Doane reports the sheep research project has been completed, and all data has been collected and is being analyzed by Professor Kisthyar. Kisthyar will report the results in a technical bulletin: "Comparative Studies of Protein Sources in Fattening Rations on Two Breeds of Sheep in Afghanistan and Relationship to Carcass Meat".

We were pleased to learn this month that Professor Quraishai's proposal for research in sheep has been funded by the International Foundation for Science in Stockholm, Sweden, in the amount of \$7,000. Professor Doane assisted Mr. Quraishai in preparing this proposal. Professor Young will follow up and assist in getting it started. In the grant announcement, the IFS recommended that Mr. Quraishai try to find local support for remodeling of the existing sheep facilities at the University Farm.

The final report on last summer's demonstration production of hybrid corn has been completed and is now being reproduced. This report will be appropriately distributed. A report on carrot variety evaluation also has been written and will be ready for circulation soon. Write-ups on other farm experiments of last summer will be taken up in succession by Professor Young and counterparts.

Professor Young reports that Mississippi State University has requested KU's cooperation in research concerning nut grass, which has been described as the worst single weed in the world. Young is encouraging that KU cooperate as a means of keeping faculty members in touch with agricultural research activities world-wide.

The working drawings prepared by CECSAR for the rural health centers have been accepted by USAID and approved by the Ministries of Health and Public Works. Public Works approval was somewhat difficult to obtain, since the plans were prepared on the basis of US building codes and reviewed by Public Works on the basis of a Bulgarian code.

The first feasibility study for an RDD irrigation project has been completed. We understand the protocol between CECSAR and RDD will be extended for another year.

CECSAR's pre-design report for the vocational agriculture schools has been sent to the World Bank headquarters for review. We understand this will cause about three weeks' slippage in the

CECSAR's project with RDD to design a minor irrigation system in Laghman Valley is going well now. Professor Bolyea reports that several meetings with the RDD engineers have been held and the preliminary project report will be submitted next week, about a month ahead of the latest schedule agreement. Mr. Glaister, UNDP representative for the RDD, is pleased with the project presentation. Although problems had previously arisen concerning the socio-economic analysis, the study format developed by CECSAR has RDD's agreement and the socio-economic analysis has now been completed to their satisfaction. As a result, CECSAR will start two new RDD projects in January.

CECSAR's project to design seven vocational agricultural schools for the Ministry of Education is progressing on schedule. An overall project flow chart denoting major project milestones and deadline requirements has been developed and submitted to the MOE, along with the "Pre-Design Report". The next big hurdle is presentation of pre-design drawings, due January 28, 1977.

#### Staff Development

Mr. Monier of Education has completed gathering data for his doctoral dissertation. He has been commended in writing by the Principals of the high schools where he worked.

Professors Doane and Glidden have assisted AUB transfer students in submitting documents for admission to the Nebraska Graduate College. Everything was mailed to the Omaha and Lincoln Campuses in late November, hopefully in time for January admission of these students.

Professor Davis reports that Mr. Isaqi, Physics Instructor in VTE, departed for eight months of training in Italy.

Professor Myers reports that papers are being prepared in the Electrical Engineering Department as follows: A.W. Zia, "Control Systems in Power", O. Zia "Electrical Safety Codes for Afghanistan", and Z. Zahab "Transients in Power Systems".

Other

All equipment is now in Kabul for the upgrading of the Seismic Station, and the building is ready. A USGS contract installation team will arrive in Kabul on December 10th.

President Mohibbi has provided a letter supporting the proposed visit of Professor Jack Shroder in connection with the Atlas Project. Professor Shroder is applying for an NFS grant to continue the Atlas work at KU for one year, beginning September, 1977.

We learn from the Center for Afghanistan Studies that the U.S. Defense Mapping Agency has agreed to provide the large scale maps and other data needed to carry out the Atlas project. The cooperation of the Cartographic Institute is no longer required.

Dean Mir Hussein Shah has recently acted on our request to obtain current and back issues of Pushtu and Dari magazines published by the Faculty of Letters and Humanities. These will be sent to the Center for Afghanistan Studies to add to the collections there.



December 1976

#### KU Administration and General

AID/W's initial reactions to KU projects submitted in early December have been received. It appears that we will be instructed to go ahead with a project paper for the Development Related Research project (DRR) and with a PRP for the Technical Manpower Development project (TMD). The latter project may have to be restudied extensively to reduce its cost, however, TDY assistance from AID/W is to be furnished during January.

Meanwhile, preparations for the expansion of the Faculty of Engineering (related to the TMD project above) have gone forward. The Faculty has formed a rather large task force of staff members to work on staffing, equipment, space utilization, and other matters that must be considered in expanding the freshmen enrollment to 1068 students next March. Professors Gibson, Davis, Myers and Bolyea serve on the task force — Bolyea is Vice-Chairman. Cables have been sent to suppliers of textbooks, drafting equipment, and slide rules requesting quotations on air shipments before March. We understand that \$411,000 in hard currency is now available at the Da Afghanistan Bank for making these purchases (that the money is actually in place will be confirmed in a few days).

Professor Ted Doane departed on TDY for the Nebraska Campus on 26 December. He will be working with AUB agricultural students who are transferring to UN-L, and will complete his two-year tour in Lincoln. With Professor Doane's departure, Professor Glidden has assumed responsibility for managing project commodities.

We understand that the KU administration is seriously considering doing away with the two-hour lunch period and extending classes later into the afternoon. This results from the pressure brought on by increased engineering enrollments, and KU wants to make space available for these and other students throughout the campus. Such action would have a significant effect on the amount of space available for both classrooms and laboratories.

#### Curriculum Development

As reported last month, a committee of the Department of Professional Education is considering re-establishing the Department's student-teaching program. This month the committee has visited two

HTC's in Kabul and has discussed the program with the Faculty of those institutions. A questionnaire for staff is being developed. Professor Glidden has asked the UNO campus for information on various types of student-teaching programs conducted by the UNO Department of Secondary and Post-Secondary Education.

Professor Glidden reports that his and Professor Bashir's course in curriculum development has been successfully completed. Probably they will not teach it again, since Professor Shams has returned from his Visiting Lectureship at UNO. Shams is responsible for the course and has developed course materials which, along with those developed by Glidden and Bashir, should provide a complete package for future use.

We have submitted to the Faculty of Engineering a comprehensive set of recommendations for a curriculum change, and have asked the Dean to reactivate the curriculum committee. The recommendations include alterations to the core curriculum, such as dropping of recitation periods, the addition of courses in numerical methods, and probability and statistics, shortening of course requirements in Physics, and the like. Also included is the proposed electrical engineering curriculum with power and communications options. These curricular changes must be coordinated with the Task Force that is planning for the expanded enrollment in the Faculty of Engineering.

Professor Myers reports that senior design students in Electrical Engineering are doing a much better job than last year. Most of them have fulfilled the course requirements before the beginning of the final exams. Student seminars have been presented on such diverse topics as theater lighting, power station protection, modeling power systems, design of public address systems, rejection mechanism for manufacturing plants, and the design of vocational high schools.

Professor Davis reports a recent meeting with UN personnel concerning possible VTE department involvement in the training of personnel of the Ministry of Mines and Industry. Discussions were very tentative, and we hope that additional discussions will follow.

Professor Davis is attempting to get the Faculty of Engineering to re-assign space and commodities previously scheduled for an Agriculture Mechanics Laboratory to VTE for use as an automotive shop.

Research and Consulting Activities

A planning meeting concerning the Baseline Study was held in early December among MOE, KU, USAID, and Nebraska Team personnel. Since the meeting, approval has been obtained to have USAID purchase commodities for the project, replacement sites have been selected for those initial sites which were not approved, and participating KU personnel have been re-contacted. A question was raised concerning the amount of payment for personnel, and an explanation of payment procedures was prepared and submitted to the Acting President of Primary Education.

Professor Boardman reports the following progress with KURC publications. The Dari version of the research abstracts are now typed and awaiting duplication, and the English versions of these abstracts are in final typing. The English version of the monograph on research report and proposal writing is now typed and awaiting duplication, and the Dari version is in the final editing stage. A Dari version of a publication on style and format for research papers has been prepared and will soon be typed. A draft copy of a monograph on the history of KURC has been prepared. Professor Boardman hopes to have all of these publications completed before his scheduled departure in February.

Professor Boardman has assisted Mr. Sharief, Faculty of Economics, with an economics oriented research methodology monograph. He is also working with Aminullah Amin of the Professional Education Department (Project Participant from UN-L) on sample selection procedures for his thesis research, which concerns higher education policies in Afghanistan. Boardman has also assisted Mohammad Fazel of the Professional Education Department in reviewing his research proposal entitled "A Cross Cultural Study Based on Jean Piaget's Cognitive Development". This may result in a Woodrow Wilson International Center Scholarship for Fazel.

Professor Glidden reports that he has collected an exclusive file on education and teacher training systems in Afghanistan. Copies of all such materials will be left in the Department of Professional Education. Also, Glidden will write on this topic after he completes his tour in Afghanistan.

Professor Doane reports the sheep research project has been completed, and all data has been collected and is being analyzed by Professor Kisthyar. Kisthyar will report the results in a technical bulletin: "Comparative Studies of Protein Sources in Fattening Rations on Two Breeds of Sheep in Afghanistan and Relationship to Carcass Meat".

We were pleased to learn this month that Professor Quraishai's proposal for research in sheep has been funded by the International Foundation for Science in Stockholm, Sweden, in the amount of \$7,000. Professor Doane assisted Mr. Quraishai in preparing this proposal. Professor Young will follow up and assist in getting it started. In the grant announcement, the IPS recommended that Mr. Quraishai try to find local support for remodeling of the existing sheep facilities at the University Farm.

The final report on last summer's demonstration production of hybrid corn has been completed and is now being reproduced. This report will be appropriately distributed. A report on carrot variety evaluation also has been written and will be ready for circulation soon. Write-ups on other farm experiments of last summer will be taken up in succession by Professor Young and counterparts.

Professor Young reports that Mississippi State University has requested KU's cooperation in research concerning nut grass, which has been described as the worst single weed in the world. Young is encouraging that KU cooperate as a means of keeping faculty members in touch with agricultural research activities world-wide.

The working drawings prepared by CECSAR for the rural health centers have been accepted by USAID and approved by the Ministries of Health and Public Works. Public Works approval was somewhat difficult to obtain, since the plans were prepared on the basis of US building codes and reviewed by Public Works on the basis of a Bulgarian code.

The first feasibility study for an RDD irrigation project has been completed. We understand the protocol between CECSAR and RDD will be extended for another year.

CECSAR's pre-design report for the vocational agriculture schools has been sent to the World Bank headquarters for review. We understand this will cause about three weeks' slippage in the

project. The slack time is being used to visit vocational schools in the Kabul area to obtain additional design and construction ideas. The project design office has been set up approximately two-blocks from the Engineering building, where project architects and engineers are starting work on preliminary plans. Except for delays caused by the client (MOE), the work is right on schedule and the product being turned out to date is quite professional.

Professor Bulyea has completed a detailed progress report concerning all existing and past CECSAR projects (since 1974). This information will be displayed on a large chart in the CECSAR office.

#### Staff Development

Mr. Shams of the Faculty of Education will report back from the UNO campus in mid-January. His work there was excellent, and unsuccessful attempts were made to find funds to extend his stay. Shams has sent many articles on a range of educational topics to KU and these have been translated by one of his colleagues. We will encourage him to publish them in book form.

Mr. Monier of Education has completed his research data gathering, and departed for Oregon State University on December 10th. Monier's work was very successful. He accomplished all work outline at the beginning of his tour here, including four volumes of mathematics translations. The first two volumes are basic in mathematics, and are already in classroom use. The last two volumes on calculus, will be utilized next semester. Hence, a great deal more than the mere gathering of data for a Ph.D. thesis was accomplished.

Professors Glidden and Doane have spent a considerable amount of time on arrangements for the AUB participants who are transferring to the Nebraska Campuses. Necessary application forms and transcripts were secured on each participant and sent to CAS for submission to the graduate colleges. They have briefed each of the applicants who has been funded to date.

Mr. Taymuree of AIT has now been accepted by the Faculty of Engineering, and is a full-time staff member of the VTE department. Of the ten faculty members assigned to the VTE Department, three have received overseas scholarships and will be leaving soon. With Rashid going to Kabul Technicum, this leaves six full-time staff members, at a time when the enrollment in VTE is to be increased from 79 to 257 students.

Other

The German Embassy sponsored a seminar and display of the Wenkel Engine on December 7 in the Faculty of Engineering. Professor Davis assisted with the arrangements.

Messrs. Jack Dorneden and John Gaquin of the Ford Philco Company, arrived in Kabul on December 10 to install the equipment in the new Seismic Building on Kharga Mountain. Gaquin will depart on January 3 and Dorneden will remain until the installation is complete. Professor Myers, Mr. Juma, and Mr. Zarief have been of considerable assistance in this work.

January 1977

KU Administration and General

KU has instituted a system of annual graduation ceremonies. Last year KU held ceremonies for graduating students of the previous five years, but this year no catch-up was involved. Graduation ceremonies were for the current graduates only.

The University's entrance examination results were announced on January 22, 1977. This occurred only two weeks after the last examination was given -- much earlier than in previous years. A summary of the exam results was submitted to USAID earlier this month.

An up-to-date Kabul University catalogue has now been prepared in Dari by KURC. These materials are being translated into an English version.

We understand that the University's request for Asia Foundation help in supplying materials for cataloguing of books at the Central Library will not be signed by the Ministry of Planning. This appears to be a dead issue, and the only way that we can continue to help the Library is to have Team personnel occasionally pick up small amounts of such materials from the Asia Foundation.

We have assisted the Faculty of Engineering in translating recently enacted university regulations for inclusion in an updated Faculty of Engineering handbook in English. This very useful instrument was originally compiled with the help of USET, but has fallen into disuse.

Professors Davis, Myers, and Boardman are winding up their affairs at Kabul University. Davis will depart on 2 February, and Boardman on 3 February and Myers on 24 February. Davis and Myers will not be replaced, however, Professor Glidden will replace Boardman at the KURC. Glidden will continue to offer some assistance in the Education Curriculum area.

The Task Force charged with planning the expansion in the Faculty of Engineering has made a list of significant recommendations to the Faculty administration. A very productive meeting of the Task Force sub-committee chairmen produced an extensive check list of unfinished tasks.

The pre-engineering program started with the registration of freshmen students on 29 January. Many provincial students have been arriving late due to snow-closed roads. This program offers a review of mathematics and English. The English portion is being handled this year by the English Department of the Faculty of Letters - a very encouraging arrangement which is another move toward departmentalization.

### Curriculum Development

Professor Boardman completed the Team-teaching of Social Statistics Class with Mr. Rahimi, and has prepared materials for future use in this area by the Research Center. These materials will be reproduced and put into booklet form by the Nebraska Team.

In Engineering, the sub-committee on Curriculum of the Task Force on Expansion has made some excellent proposals which should substantially reduce the requirements for faculty, equipment, and supplies in connection with the expansion. Several courses with extensive laboratory and equipment requirements have been moved back in the curriculum so that they could be offered to a smaller student body than if they were offered earlier in the curricula. The physics sequence has been reduced from three courses to two courses, in order to avoid having to teach Physics I and Physics III during the same semester. Recitation periods which require a great deal of space and faculty time have been replaced by consultation periods during which students can come in for help on an optional basis. This will result in a significant savings in space and faculty. All of these recommendations must be approved by the Curriculum Committee of the Faculty of Engineering.

### Research and Consulting Activities

The KURC Constitution has finally been approved by the Ministry of Education. Dean Baha spent three hours explaining the various provisions of the Constitution to the Minister, and it was returned to the Dean's Council for minor revisions. They acted upon it immediately and it has been submitted to the Ministries of Justice and Finance.



Professor Boardman has worked with Dr. Lanza during the month preparing the Project Paper for the proposed DRR project at the Kabul University Research Center. Mr. Peter Benedict of AID/W is presently in Kabul reviewing this work.

Professor Boardman has prepared a summary statement of current activities at the KURC, and he and Professor Rahimi have briefed Professor Glidden, who will assume Boardman's responsibilities.

We continue to have difficulty in getting the Baseline Study started. Recently, Director Sligh, Dr. Lanza, and Professor Boardman met with Deputy Minister of Planning Ferough concerning questions he had regarding the study.

The KURC research abstracts and research monographs are now ready for final reproduction. Professor Glidden will follow up on this.

Mr. Ray Forte has arrived in Kabul to take up duties in agriculture. Professor Young plans to get together with him in the coming weeks to pursue opportunities that might exist for the Faculty of Agriculture to become involved in the Wheat Development project.

Professor Young reports that three research papers are now being typed in the Faculty of Agriculture. One concerns a demonstration of hybrid corn seed production, another is a carrot evaluation report, and the third is a sweet-corn variety evaluation report.

Professor Young continues to consult with Dr. Wakil in connection with agriculture in the Maidan Valley. Both Wakil and the Ministry of Agriculture have requested potato seeds. These requests have been relayed to UN-L.

Professor Young has been working with Mr. Yasim Mohsini concerning the content and sources of information for a planned booklet concerning weeds in Afghanistan and how to control them.

The World Bank has yet to return its comments to CECSAR on the pre-design report for the vocational agricultural schools. The slack time is being used to visit vocational schools in the Kabul area and to obtain additional design and construction ideas.

Professor Bolyea and CECSAR personnel made a recent trip to a site near Jalalabad to ascertain construction costs and to develop a site layout for that school. Recently, the CECSAR committee has decided to proceed with preliminary plans for the vocational agricultural schools without the pre-design report comments from the World Bank, in order to get as much work accomplished as possible before Engineering classes start in March.

The feasibility study for the RDD irrigation project in the Laghman Valley has been well received at the RDD. Mr. Gatch, of USAID, recently indicated that he was told by RDD personnel that the project report and drawings were "head and shoulders" above anything else that has been done on similar projects.

Professor Bolyea has prepared a summary of CECSAR earnings since 1974. By department, CECSAR faculty members have earned the following amounts: Architecture 295,000 AFS, Civil Engineering 375,000 AFS, Mechanical Engineering 35,000 AFS, Electrical Engineering 20,000 AFS. This totals about \$15,000 which have been added to the meagre earnings of faculty members in Engineering.

#### Staff Development

UNO has asked Mrs. Sajida Kamal to continue with her Visiting Lectureship in the Department of English for another semester. UNO will bear the expense. KU approval is now pending.

Professor Mekyar has returned from his participant training program at UNO with a master of science degree in secondary education.

Professor Aminullah Amin, Ph.D. candidate in the Department of Professional Education at UNL, returned briefly to KU to distribute a questionnaire and gather data for his dissertation. He departed recently for UNL, having accomplished most of his task. We're following up to insure that the remaining questionnaire are submitted on a timely basis.

After a great deal of confusion and much effort on our part and that of the USAID Training Office, all of the AUB participants have departed for UNO/UN-L, with the exception of a few for whom admission was not possible. AID/W will have to obtain placement for a total of five students. The nursing students were delayed at least until March, to allow time for designing a program for them.

Other

The installation of new equipment at the Kharga Seismic Station is progressing satisfactorily. Lack of parts has delayed progress in certain areas. Mr. John Gaquin departed on January 3, and Jack Dorneden remains to complete the installation.

Dr. Robin McQuire, of the USGS (Golden, Colorado Office), was in Kabul from 5-8 January. He presented a well-received seminar on risk analysis and building codes which was attended by approximately 70 people from EU and various ministries.

February 1977

EU Administration and General

Following is the status of new projects which are being planned at Kabul University.

The Project Paper for the Development Related Research Project has been drafted by the Education Division with the assistance of Dr. Boardman, and we understand it will be submitted soon. Mr. Peter Benedict, from AID/W, visited Kabul during February and assisted with the planning.

The TMD project is to be completely rewritten before a PRP is submitted, hopefully, sometime in March after the return of Dr. John Blackton of AID/W. He is to bring firm guidance on the extent to which we will be able to assist the Faculty of Engineering in meeting engineering manpower requirements stated by the Ministry of Planning. The issue revolves about the directness of this assistance to improving conditions of the rural poor. Most recently, we have discussed designing a project which includes assistance in the areas of management engineering, civil engineering, and vocational teacher education, all of which can be related to AID's Congressional mandate. The Mission has accepted the idea that a much smaller project than originally anticipated will evolve — possibly in the neighborhood of seven to nine million dollars over a five-year period. Assistance with the establishing of a provincial Faculty apparently will be dropped. We have hopes that a viable and helpful project will emerge from all of this. However, if we are to involve the Faculty of Engineering in the planning of the next stage of the project, it will be necessary for Mission officials to make a sensitive presentation to high-level GOA officials outlining the general changes in the project.

In agriculture, we understand that the Wheat Development project is going ahead and that AID/W is recruiting a contractor to assist in planning of the project. Since the project will have a large element of agricultural research, and since most of the needed Afghan researchers are assigned to the Faculty of Agriculture, we continue to hope that the Faculty will be involved in the project in a meaningful way.

The Faculty of Engineering expansion plans seem to be going fairly well. Dean Baha has arranged to reproduce all textbooks needed for first semester classes at the Ministry of Education, and it appears that these will be completed on time. On February 24th, letters of credit were finally opened for books needed in August and for

slide rules and drafting equipment needed in March. Space for the engineering expansion will apparently be no problem in view of the acquisition of the old AIT building for the Engineering Faculty. Additional dormitory space has been assigned in the complex opposite Habibia High School. Staff problems have apparently been solved with the hiring of eight new graduates from the Faculty of Engineering, two FE graduates from previous years, and eight former graduates from the Faculty of Science. The Peace Corps has provided 13 English teachers, two of whom will also teach math, one Management Engineer, one Sanitary Engineer, and an Architect. The Peace Corps is recruiting additional volunteers, and the Faculty has also requested 15 basic science teachers from India. These are now being recruited.

One remaining problem is the need to save the unspent portion of the \$411,000 in GOA funds earmarked for the Faculty expansion. Dean Baha has obtained a letter from the Ministry of Finance which gives that Ministry's permission to transfer the money to the next year's budget. However, the Dean tells us that several additional administrative steps are necessary before this is realized. Over half the \$411,000 will be lost at the end of the current fiscal year if this can't be accomplished. Alternative plans are to open an account at the Da Afghanistan Bank with the money (apparently not possible), or to send the money to the Afghan Ambassador in Washington, D.C. (not yet thoroughly explored).

Professors Davis, Boardman, and Myers, of the Nebraska Team, completed their tours this month and have departed. Professor Glidden has moved over to the KURC to replace Boardman, while attempting to maintain minimal contact with the Professional Education Department.

While on leave in the United States, Professor Bolyea visited the University of Nebraska at Omaha to gather information to assist KU in establishing a campus-wide system of class scheduling. The possibility of having a computer consultant visit KU to assist in implementation of the program was also discussed, and documentation for an existing IBM program that can be used for scheduling was brought back to KU. We are now determining if a package program can be run on the Afghan Computer Corporation IBM 360/30 computer.

Professor Glidden has worked with Mr. Karzai, Director of University Planning, to complete a breakdown of all the academic degrees held by the KU staff, by Faculty and Department. The

tabulation is complete and has been reproduced and distributed to appropriate offices.

Professor Glidden has also completed Project 121 commodity inventory. This is a complete list of all commodities given to the various departments of the University. It has turned out to be a somewhat complicated and time-consuming undertaking, with most of the work being done by clerical staff.

The Project 121 commodity expenditure accounting has been completed, however, it can not be reconciled with the records of USAID/Management and Controller offices. USAID is now checking their records and when this is completed we expect additional funds will be available.

The Faculty of Engineering has recently updated and reissued their Faculty Handbook. It incorporates chapters on new university regulations. We assisted in this effort.

We have just learned that the Department of Professional Education will not receive a freshmen class beginning March. Hence, after the present students graduate in three years, the department will no longer be producing graduates, and will become a service department to provide educational methodology courses for the Faculty of Letters and Humanities and the Faculty of Science. This has had a devastating effect on the morale of the department, however, we judge that the step taken by the Dean's Council was wise and prudent. We do not believe there is a true demand for "educational leaders" for the Ministry of Education and the schools. There is a much greater need for the department to serve in its new role providing a solid package of courses for future teachers. If the department's energies are focused in this direction, it may be possible to increase the 17 credit hour sequence of education courses that the two Faculties have adopted.

Ministry of Planning approval was finally obtained for the University to request Asia Foundation help in providing commodities for the Central Library. KU has submitted its request to Asia for a three-year supply of cataloging materials, after eight to nine month's effort on our part.

### Curriculum Development

Professor Glidden has started to work with Mr. Nekyar, who has just returned from UNO with his MS in Secondary Education. The Department of Professional Education has assigned Mr. Nekyar twelve contact hours in Educational Methodology courses in the various Faculties and Glidden is helping him organize his courses. He is completely without books, so we will outfit him with some which have been donated from UNO.

The Student Teaching Committee in the Faculty of Letters and Humanities is dormant until the beginning of next semester. Meanwhile several volumes of materials for this committee have arrived from UNO.

We have provided a considerable number of books to Mr. Karyar, Chairman of VTE, on the topics of audio-visual aids and teacher training. Karyar has a deep interest in this area and is promoting the use of audio-visual aids to the Faculty of Engineering.

### Research and Consultation

The Dari version of the KURC abstracts is ready for reproducing and will be completed shortly. The English version needs only about one more day of typing before it can be reproduced.

A series of research abstracts on Microfiche film has been received from the AID Technical Assistance Bureau and has been placed in the KURC Library. Paperback copies of selected research studies have also been provided by TAB. Materials cover agriculture, economic development, and education. All abstracts pertain to AID sponsored research. This constitutes a beginning on the building of a library of research materials at the KURC.

The Center of Afghanistan Studies informs us that Professor John Brickel, Department of Educational Foundations and Urban Education at UNO, is available to come to KU on short notice to help with the Baseline Study.

We have just received word that Professor Robert M. Hill, of the Laboratory of Agricultural Biochemistry UNL, is available to serve as a Feed Analyst Consultant in late April. We had originally

scheduled Professor Prokop for this consultancy, however, he is no longer available. We have sent bio-data on Hill to the Faculty of Agriculture for their approval.

Professor Young reports that seed has been ordered for 1977 plantings at the University Research Farm. He has devoted most of this month to making a collection of cultivars of Afghan grapes. Over fifty accessions have been obtained from the Nangarhar, Laghman, Kandahar, Ferah, and Herat areas. Additional collections will be made in Kodaman, Ghazni, all northern provinces, and Nuristan.

An Italian construction company has very recently contacted CECSAR concerning the design of a three building pharmaceutical manufacturing and supply complex. The buildings would contain over six thousand square meters and take about a year to design by six to eight structural engineers. Most of the architectural layout and the mechanical and electrical engineering work have been done, the buildings being similar to those built earlier in Italy. However, the foundation and structural designs need considerable adaptation. CECSAR personnel, who would be involved in the design are to meet early this week to determine if they can commit the time necessary to complete the project.

Work is going well on the Vocational Agricultural School design under the leadership of Professor Hameem Rafiq. They are well into the preliminary design phase, having received World Bank approval on the Pre-Design report. All work on this project is being done in the off-campus office rented by CECSAR for the project.

The Faculty of Engineering was recently instructed by the GOA Cabinet to cooperate with other government offices in conducting an investigation of a structural problem in the Ghazi Stadium structure. Some settlement has apparently occurred and has caused rather conspicuous cracking in the vicinity of two expansion joints. Our inspection indicated that some design and/or construction deficiency existed. The problem, though it appears to be serious, is probably not so.

#### Staff Development

The Department of English, Faculty of Letters and Humanities, has participated during this winter period in the annual English Teacher Seminar. The Seminar is a joint undertaking between UIS



February 1977 - Page 7

The Seismic Station is still down as a result of the ASRO upgrading project. Some equipment from the United States is needed before work can continue. Also, the installer, Mr. Jack Dorneden of the Ford-Philco Company, recently terminated his employment and returned to the United States. USCS has informed us that he will be replaced as soon as the equipment becomes available, and that the work will proceed to completion.